

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: August 16, 2006

Inspector: Diana Walden

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Depending on location, between 0.49-0.59" of rain was recorded on 8/15, with possibly higher localized totals as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- Hoyts Hill: Access is gained off Hoyts Hill Road. The driveway was recently paved. 8/16/06.	-The gully will be filled in if necessary now that the driveway is paved. 8/16/06.	-The driveway was paved.
	-Timber mats were removed from the wetland off Rt 58. 8/16/06	- The area was also restored. See 345kV XLPE report.	-N/A
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW appear to remain below problem levels. 8/16/06.	-The 1 st wetland crossing needs some maintenance and sediment removal. See the EC section. 6/28-8/16/06.	-Needs attention
	- The silt fence along the access road remains in place but significant accumulated sediment still needs to be removed from the wetland 7/26-8/16/06	- This area will also need some final stabilization measures as this is an ongoing problem. Remove sediment carefully by hand during this dry time of year 8/9-8/16/06	- Needs sediment removal.
	-Slopes remain disturbed along the access road where 345kV trenching occurred and stockpiles remain. 8/16/06	- AL contractors will likely need to perform restoration when work is complete here. 5/4-8/16/06	- Needs attention when work is complete

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways continued	<p>- Haybales remain in place where water had pooled in the access road near the stone wall. 8/16/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 5/25-8/16/06.</p> <p>-The swale was regraded after a portion was previously filled in for access. 8/16/06</p>	<p>-Continue to monitor for more permanent solutions. 8/16/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. 8/9/06</p> <p>-See erosion control for further recommendations. 8/16/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- Needs attention</p>
Foundation construction	<p>- At Hoyts Hill: The driveway was paved. 8/16/06</p> <p>-At Archers Lane, Work continues on structures and small areas of excavation were noted. Stone was also placed in the yard. 8/16/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structures in the station pad. 8/16/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-8/16/06</p>	<p>- Continue to monitor. 8/16/06.</p> <p>-None at this time. Small stockpiles remain contained to the site. 8/16/06</p> <p>- None at this time. See erosion control section 6/1-8/16/06</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-8/16/06</p>	<p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>
Erosion and Sediment Controls	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-8/16/06.</p> <p>- The areas where the filter bags were removed were restored as part the timber mat removal at the base of slope. 8/16/06</p> <p>-One small gully in the</p>	<p>-Monitor and maintain the fence as necessary. 4/6-8/16/06 Vegetation is growing very well in the adjacent wetland 8/16/06</p> <p>- Continue to monitor as the area revegetates. 8/16/06</p> <p>-Determine if the area has</p>	<p>- N/A</p> <p>- Area was restored.</p> <p>- Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Erosion and Sediment Controls continued	southern slope remains along the stone pad. The surrounding area is revegetating and may be stabilized. 8/16/06.	stabilized adequately or if the gully still needs restoration. 8/16/06.	when feasible
	- Archers Lane: Silt fence along the access road at the 1 st wetland was repaired but significant accumulated sediment remains in the wetland. 7/5-8/16/06	- Remove sediment carefully by hand during this dry period. 7/5-8/16/06 NU is looking into final stabilization measures as this is an on-going problem. 8/16/06	- Still needs attention
	- The 2 nd wetland crossing at the ROW was in good shape although a few of the repaired areas upgradient started to erode again. 8/16/06	- See Overhead report. 8/16/06	- N/A
	- Haybales remain at the stonewall near Diamond Hill where run-off had been pooling. 8/3-8/16/06	-Continue to monitor and evaluate more permanent solutions. 8/16/06	- N/A
	- The silt fence where the process stockpile remains in good shape. 8/16/06	- Revegetate the area to the extent practicable but it is still being used for parking 8/9-8/16/06	-N/A until access is complete
	- Norwalk Junction: Perimeter silt fence remain in good shape along the river. 5/17-8/16/06.	- None at this time. Continue to monitor controls. 5/17-8/16/06.	-N/A
	-The wetland area outside the silt fence adjacent to the river contains accumulated sediment. 6/7-8/16/06 -Silt is also building up in the spot closest to the river. 7/26-8/16/06	- The silt is contained and does not yet reach the river. Wetland vegetation was also noted growing here, but silt has built up at the stone outlet and should be removed by hand during this dry period 6/1-8/16/06	- Needs attention
	- Additional haybales were added to the final	- Continue to replace or improve controls until the	- Additional haybales were

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	culvert at the end of the swale. 8/16/06 - Adjacent areas on site are not stable or have soil disturbance leading to additional sediment in	area is stable. 8/16/06 - Remove accumulated sediment from the swale and continue to improve water quality to the swale	placed. - Needs attention
Erosion and Sediment Controls continued	the swale. 7/19-8/16/06 This includes the area adjacent to the perimeter chain link fence by the river. 7/26-8/9/06 -The portion of the swale that was filled in has been regraded. 8/16/06	by restoring areas wherever feasible. 6/1-8/16/06. -Place stone and revegetate to restore the swale to previous conditions. 8/16/06	 - Needs attention
Inland Wetland and Watercourse encroachment and mitigation	- Hoyts Hill: The wetland remains well protected and well vegetated 8/16/06 - The wetland off Rt 58. was restored 8/16/06 - Archers Lane: Watch run-off velocity down the completed slopes and walls. Deposited sediment in the 1 st wetland crossing needs to be removed. 6/28-8/16/06. - Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-8/16/06	-Continue to monitor this area until slopes are stabilized completely. 8/16/06. - See 345kV XLPE report 8/16/06 - Carefully remove the sediment from the wetland where there are significant buildups during this dry period of year 6/28-8/16/06. - Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-8/16/06.	- N/A. -N/A - Still needs attention. NU is evaluating more permanent solutions -Needs attention during this dry period
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Vegetative clearing limits or stabilization	<p>-Hoyts Hill: One gully remains through the stone pad on the southern slope. 6/28-8/16/06.</p> <p>- Archers Lane: Consider final stabilization measures for the area so turbid run-off to the wetland will be reduced. 7/26-8/16/06.</p> <p>- Norwalk Junction: -A number of bare soil areas around the perimeter of site should be temporarily stabilized/vegetated due to sediment loading to the swale. 7/26-8/16/06.</p>	<p>- The surrounding area is revegetating. See erosion control section. 6/7-8/16/06.</p> <p>-NU is evaluating potential solutions here. 7/26-8/16/06.</p> <p>- Restore perimeter surfaces wherever feasible (even if it is temporary) 6/1-8/16/06.</p>	<p>-Needs attention when feasible</p> <p>-Needs evaluation</p> <p>-Needs attention</p>
Dewatering Norwalk Junction	-Active dewatering occurs somewhat regularly to the swale. However, some portions need restoration. 8/16/06	-Restore swale when feasible. 8/16/06.	-Needs attention
Blasting	- All blasting is complete. 8/16/06	- None at this time.	-N/A
Soils	- A few soil stockpiles remain at Norwalk Junction as excavation continues 8/16/06.	- Stockpiles remain contained. See erosion control section. 8/16/06.	-N/A
Spills and Material Storage	- No spills or leaks were noted at the time of inspection. 8/16/06	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.</p>	-A containment berm was being used (proactively)
Additional			

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Observations			

Next likely scheduled inspection:

Thursday August 24, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



Hoyts Hill Transition Station: Photo on the left shows the newly paved drive up to the station. Photo on the right shows the minor washout gully remaining through the stone pad on the southern slope. 8/16/06



Photo on the left shows the wetland at the base of slope at Hoyts Hill. Timber mats were removed and the area was restored by 345kV XLPE crews. Archers Lane: Photo on the right shows an overview of the station yard. Stone was placed in the yard and some small areas of excavation were present. 8/16/06



Archers Lane: Photo on the left shows stockpiles remaining along the access road outside of the yard. Slopes along the drive should be restored. Photo on the right shows the repaired silt fence at the top of slope. 8/16/06



Both photos show areas along the silt fence at the first wetland crossing where sediment has accumulated in the wetland with each rain event. NU is looking into a more permanent solution for this but the sediment should be removed by hand in the meantime during this dry period. 8/16/06.



Norwalk Junction: Photo on the left shows an overview of the structure and form work in the yard. Photo on the right shows where the swale was regraded after being filled in for access. Replace stone and revegetate the swale for stabilization 8/16/06.



Photo on the left shows the wetland area at the end of swale where sediment has accumulated. It should be removed during this dry period. Photo on the right shows the perimeter of the yard along the silt fence. Restore and revegetate as soon as feasible. 8/16/06.